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PTO/SB/05 (03-01)

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# UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.

EP-7592

First Inventor

Joseph W. Roos et al.

Title

LOWERING THE AMOUNT OF CARBON IN FLY ASH FROM BURNING COAL BY A  
MANGANESE ADDITIVE TO THE COAL

Express Mail Label No.

ER127286432US

## APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

1. ☒ Transmittal Form (e.g., PTO/SB/17) (Submit an original and a duplicate for fee processing) \*TRANSMITTAL, w/certif. of mailing and fee calculation
2. ☐ Applicant claims small entity status. See 37 CFR 1.27.
3. ☒ Specification (preferred arrangement set forth below) [Total Pages **15**]
  - Descriptive title of the invention
  - Cross Reference to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference to sequence listing, a table, or a computer program listing appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
4. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets **2**]
5. Oath or Declaration [Total Pages **1**]
  - a. ☐ Newly executed (original or copy)
  - b. ☐ Copy from a prior application (37 CFR 1.63 (d)) (for continuation/divisional with Box 18 completed)
    - i. ☐ **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
6. ☐ Application Data Sheet. See 37 CFR 1.76

## ADDRESS TO:

Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

7. ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
  - a. ☐ Computer Readable Form (CRF)
  - b. Specification Sequence Listing on:
    - i. ☐ CD-ROM or CD-R (2 copies); or
    - ii. ☐ paper
  - c. ☐ Statements verifying identity of above copies

## ACCOMPANYING APPLICATION PARTS

9. ☐ Assignment Papers (cover sheet & document(s))
10. ☐ 37 CFR 3.73(b) Statement ☐ Power of Attorney  
(when there is an assignee)
11. ☐ English Translation Document (if applicable)
12. ☐ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503) (Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s) (if foreign priority is claimed)
16. ☐ Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
17. ☐ Other: .....

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP)

of prior application No.: .....

Prior application information:

Examiner: .....

Group Art Unit: .....

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been previously omitted from the submitted application parts.

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32,486

Signature

*Dennis H. Rainear*

Date

July 18, 2003

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

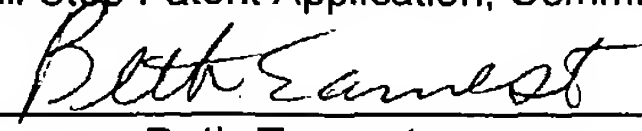
21910 U.S. PTO  
10/623092  
07/18/03

**TRANSMITTAL**

In Re Application of: Joseph W. Roos et al. )  
 Serial Number: Not yet assigned ) Examiner: Not yet assigned  
 Filed: July 17, 2003 ) Art Group: Not yet assigned  
 For: **LOWERING THE AMOUNT OF CARBON IN** )  
**FLY ASH FROM BURNING COAL BY A** )  
**MANGANESE ADDITIVE TO THE COAL** )

**CERTIFICATE OF MAILING UNDER 37 C.F.R. § 1.8**

I hereby certify that the complete patent application stapled hereto and identified below is being deposited by me with the United States Postal Service as **Express Mail** (Express Mail Label No. **ER127286432US**) on July 18, 2003, with sufficient postage in an envelope addressed to: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

  
 Beth Earnest

Mail Stop Patent Application  
 Commissioner for Patents  
 P. O. Box 1450  
 Alexandria, VA 22313-1450

Sir:

Transmitted herewith is an application for U.S. Patent, including the following:

Utility Patent Application Transmittal, PTO/SB/05 with  
 Customer Number Bar Code Label attached  
 Application for Patent (15 pages, 20 claims)  
 Two Drawing Sheets (Figures 1 and 2)  
 Return Postcard

The claim fee has been calculated as shown below:

				Other than a Small Entity	
	Claims	Highest Number Previously Paid for	Extra Claims Present	Rate	Additional Claim Fee
<b>TOTAL</b>	<b>20</b>			<b>X 18=</b>	<b>\$</b>
<b>INDEPENDENT</b>	<b>6</b>		<b>3</b>	<b>X 84=</b>	<b>\$252.00</b>
Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	<b>First Presentation of Multi-Dep. Claim</b>			<b>+ 280=</b>	<b>\$</b>
				<b>TOTAL</b>	<b>\$252.00</b>

☒ Please charge my Deposit Account No. 05-1372 in the amount of \$1,002.00 (\$750.00 basic filing fee – utility, and \$252.00 in claim fees). A duplicate copy of this sheet is attached.

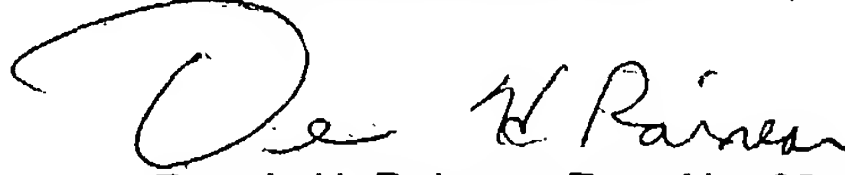
☐ The Commissioner is hereby authorized to charge any deficiencies in the following fees associated with this communication or credit any overpayment to Deposit Account No. 05-1372. A duplicate copy of this sheet is attached.

☒ Any filing fees under 37 C.F.R. § 1.16 for the presentation of extra claims.

☒ Any patent application processing fees under 37 C.F.R. § 1.17.

Respectfully submitted,

**ETHYL CORPORATION**

  
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Date: July 18, 2003